

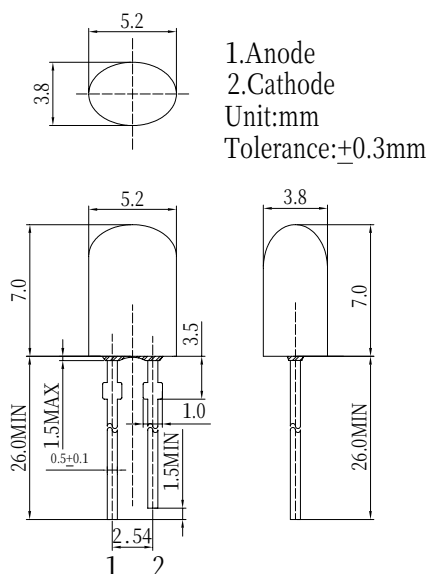
■Features

- High Luminous LEDs
- 5.2x3.8mm Standard Directivity
- Superior Weather-resistance
- UV Resistant Epoxy
- Color Diffused Type

■Applications

- Display
- VMS (Variable message signs)
- Other Lighting

■Outline Dimension



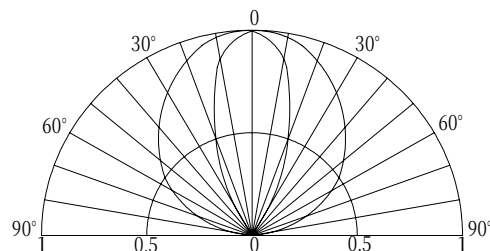
■Absolute Maximum Rating

($T_a=25^\circ\text{C}$)

Item	Symbol	Value	Unit
DC Forward Current	I_F	30	mA
Pulse Forward Current*	I_{FP}	100	mA
Reverse Voltage	V_R	5	V
Power Dissipation	P_D	108	mW
Operating Temperature	T_{opr}	$-30 \sim +85$	$^\circ\text{C}$
Storage Temperature	T_{stg}	$-40 \sim +100$	$^\circ\text{C}$
Lead Soldering Temperature	T_{sol}	$260^\circ\text{C}/5\text{sec}$	-

*Pulse width Max.10ms Duty ratio max 1/10

■Directivity



■Electrical -Optical Characteristics

($T_a=25^\circ\text{C}$)

Item	Symbol	Condition	Min.	Typ.	Max.	Unit
DC Forward Voltage	V_F	$I_F=20\text{mA}$	2.9	3.1	3.6	V
DC Reverse Current	I_R	$V_R=5\text{V}$	-	-	10	μA
Domi. Wavelength*	λ_D	$I_F=20\text{mA}$	520	525	530	nm
Luminous Intensity*	I_v	$I_F=20\text{mA}$	1560	2180	-	mcd
50% Power Angle	$2\theta_{1/2}$	$I_F=20\text{mA}$	-	110/40	-	deg

*1 Tolerance of dominant wavelength is $\pm 1\text{nm}$

*2 Tolerance of luminous intensity is $\pm 15\%$